



450Mbps Dual Band Wireless N USB Adapter TEW-684UB[V1.0R]

TRENDnet's compact 450Mbps Dual Band Wireless N USB Adapter, model TEW-684UB, connects a laptop or desktop computer to an ultra-high performance 450Mbps dual band wireless network.

Quickly connect to a 450Mbps 2.4GHz or 5GHz wireless network at the touch of a button with the convenience of one-touch Wi-Fi Protected Setup (WPS). Seamlessly stream HD video over the less congested 5GHz band.

Place the adapter in the most ergonomic location with the included USB extension cable. Advanced Multiple Input Multiple Output (MIMO) antenna technology with three spatial streams per antenna generates a maximum theoretical wireless throughput of 450Mbps. WMM® Quality of Service (QoS) technology prioritizes gaming, Internet calls, and video streams. LEDs on the front of the adapter convey device status. Upgrade your computer's wireless connection to experience the speed of a 450Mbps network.



FEATURES

- 450Mbps dual band wireless n technology
- Wi-Fi compliant with IEEE 802.11n/g/b/a standards
- USB 2.0 port
- One-touch wireless connection with external Wi-Fi Protected Setup (WPS) button
- 100 cm (3.2 ft.) USB cable to position the adapter in the optimum location
- USB Bus powered
- Multiple Input Multiple Output (MIMO) technology optimizes wireless coverage
- Maximum reliability, throughput, and connectivity with automatic data rate switching
- Supports 64/128-bit WEP, WPA/WPA2-RADIUS, and WPA-PSK/WPA2-PSK wireless encryption
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) data prioritization
- Easy user setup and intuitive diagnostic utility
- Compatible with Windows operating systems
- Coverage of up to 100 meters outdoor (320 feet)* and 200 meters outdoor (640 feet)*
- 3-year limited warranty

*Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions.

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SPECIFICATIONS

HARDWARE

Interface	• USB 2.0
Standards	• IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, and IEEE 802.11n
Button	• WPS button: enables quick wireless connection with WPS function
Power Consumption	• Receive mode: 406mA (max.) • Transmit mode : 428mA (max.)
Supported OS	• Windows 7 (32/64-bit), Vista (32/64-bit), and XP
Dimensions (LxWxH)	• 72 x 50 x 31 mm (2.8 x 2.0 x 1.2 in.)
Temperature	• Operating: 0° ~ 40° C (32° ~ 104° F) • Storage: -20° ~ 60°C (-4°~ 140°F)
Weight	• 40 g (1.41 oz)
Humidity	• Max. 85% (non-condensing)
Certifications	• CE, FCC

Wireless

Modulation	• CCK/ OFDM - BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK
Antenna	• 2.4GHz: 2dBi (built-in on board) • 5GHz: 1dBi (built-in on board)
Frequency	• 802.11b/g/n: 2.412 ~ 2.484 GHz • 802.11a/n: 5.15 ~ 5.825GHz (FCC), 5.470 ~ 5.725GHz (ETSI)
Data Rate (auto fallback)	• 802.11a: up to 54Mbps • 802.11b: up to 11Mbps • 802.11g: up to 54Mbps • 802.11n: up to 450Mbps
Output Power	• 802.11b: -84dBm (typical) at 11mpbs • 802.11g: -72dBm (typical) at 54Mbps • 802.11n/g: -65dBm (typical) at 450Mbps • 802.11n/a: -64dBm (typical) at 450Mbps
Receiving Sensitivity	• 802.11b: -84dBm (typical) at 11mpbs • 802.11g: -72dBm (typical) at 54Mbps • 802.11n/g: -65dBm (typical) at 450Mbps • 802.11n/a: -64dBm (typical) at 450Mbps
Encryption	• 64/128-bit WEP, WPA/WPA2-RADIUS, WPA/WPA2-PSK
Channels	• 802.11b/g/n: 1~11 (FCC), 1~13 (ETSI) • 802.11a/n: 36, 40, 44, 48, 149, 153, 157, 161, 165 (FCC), 36, 40, 44, 48 (ETSI)

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NETWORKING SOLUTIONS

450Mbps Dual Band Wireless N USB Adapter (TEW-684UB)



450Mbps Wireless N
Gigabit Router
(TEW-691GR)



Cable/DSL Modem



450Mbps Wireless N
Gaming Adapter
(TEW-687GA)

450Mbps Wireless N Network

PACKAGE CONTENTS

TEW-684UB

CD-ROM (Utility & User's Guide)

Multi-Language Quick Installation Guide

USB cable 100 cm (3.2 ft.)

RELATED PRODUCTS

TEW-691GR 450Mbps Wireless N Gigabit Router

TEW-690AP 450Mbps Wireless N Access Point

TEW-687GA 450Mbps Wireless N Gaming Adapter

CONTACT INFORMATION



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